Heritage Rank Status Factors

**Elcode**  
NFSM000158

**Gname**  
RAMARIA RUBRIPERMANENS

**Gcomname**

**Number of Occurrences**

\( D = 81 - 300 \)

**Comments**  
There are 133 records for OR, 9 for CA, and 3 for WA.

**Number of Occurrences with Good Viability**

\( E = \text{Many (41-125) occurrences with good viability} \)

**Comments**  
There are at least 51 occurrences in protected sites. Most of these sites are in OR. This is a mycorrhizal species that depends on late successional forests in the PNW.

**Population Size**

\( A = 1-50 \text{ individuals} \)

**Comments**

**Range Extent**

\( F = 20,000-200,000 \text{ km}^2 (\text{about 8,000-80,000 square miles}) \)

**Comments**  
Endemic to PNW forests. Range is from ID, WA, OR, and northern CA. There are 133 records in database.

**Area of Occupancy**

\( A = <0.4 \text{ km}^2 (\text{less than about 100 acres}) \)

\( LA = <4 \text{ km (less than about 2.5 miles)} \)

**Comments**

**Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences**

\( U = \text{Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown} \)

**Comments**

**Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences**

\( U = \text{Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.} \)

**Comments**
**Threats**

C = Substantial, non-imminent threat. Threat is moderate to severe but not imminent (> 10 years) for most of the population, occurrences, or area.

<table>
<thead>
<tr>
<th>Scope</th>
<th>High</th>
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<tbody>
<tr>
<td>Severity</td>
<td>High</td>
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<tr>
<td>Immediacy</td>
<td>Unknown</td>
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**Comments**

**Number of Appropriately Protected and Managed Occurrences**

D = Many (13-40) occurrences appropriately protected and managed

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<tr>
<td>There are at least 51 occurrences in protected sites. Most of these sites are in OR. Unknown forest management activities in the rest of the sites.</td>
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**Intrinsic Vulnerability**

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

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<tr>
<th>Comments</th>
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<tr>
<td>This is a mycorrhizal species that depends on late successional forests. Susceptible to logging activities.</td>
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**Environmental Specificity**

B = Narrow. Specialist or community with key requirements common.

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<th>Comments</th>
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<tr>
<td>Mycorrhizal species</td>
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**Other Considerations**

Nrank=N4

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<th>Edition</th>
<th>11/10/2002</th>
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<td>Edauthor</td>
<td>Efren Cazares</td>
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<td>Granrk</td>
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<td>Granrk Date</td>
<td>11/10/2002</td>
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**Greasons**

There are 51 out 146 occurrences in protected sites. This mycorrhizal species is endemic to PNW forests and susceptible to logging activities.

**BCD Sources**


**New Sources**